

WHAT IS CLAIMED IS

1. A recoil starter, comprising
a rotary driving member that is adapted to be rotated by
pulling a recoil rope,
an interlocking rotary member that is adapted to be
rotated independently of the rotary driving member, and
a buffering spring coupled between the rotary driving
member and the interlocking rotary member, applying a
rotational bias between the rotary driving member and the
interlocking rotary member, and adapted to transmit the
rotation of the rotary driving member to the interlocking
rotary member.
2. The recoil starter according to claim 1, wherein the
rotary driving member and the interlocking rotary member are
disposed on a common rotational axis.
3. The recoil starter according to claim 1, wherein the
buffering member is a torsion coil spring or a spiral spring.
4. The recoil starter according to claim 2, wherein the
buffering member is a torsion coil spring or a spiral spring.
5. The recoil starter according to any one of claims 1 to 4,
wherein the rotary driving member is a rope reel which is
adapted to have the recoil rope wound thereon, the rope reel
has an annular cavity, and the buffering member is received in
the annular cavity of the rope reel.
6. The recoil starter according to any one of claims 1 to 4,
wherein the interlocking rotary member includes a power
transmission pulley to which the rotation of the rotary
driving member is transmitted through the buffering member and
a centrifugal ratchet mechanism coupled to the power
transmission pulley and adapted to be coupled to a crankshaft
of an internal combustion engine for transmitting the rotation
of the power transmission pulley to the crankshaft of the
internal combustion engine.